Cytometer Baseline Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/07/2022 09:03 AM
Tube Loaded Manually:	Yes		
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)		

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	PMTV	New Target Value	Old Target Value	Bright Bead %Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV	Dim Bead Median Channel	Dim Bead % Robust CV
Blue	FSC	FSC	569	125000	N/A	4.76	127770	4.65	24489	5.02
Blue	F	SSC	515	125000	N/A	5.38	114886	5.38	49851	5.05
Blue	E	FITC	487	14259	N/A	5.20	346	15.44	53	60.11
Blue	D	PE	490	24228	N/A	5.16	563	11.78	108	41.51
Blue	B	PerCP-Cy5-5	589	36131	N/A	5.66	988	16.04	132	48.35
Blue	A	PE-Cy7	634	24863	N/A	7.68	488	32.46	59	101.25
Red	C	APC	583	48434	N/A	4.64	1707	12.32	326	27.21
Red	A	APC-Cy7	559	28384	N/A	5.26	746	13.37	99	43.93
Violet	B	V450	462	9520	N/A	6.27 (1)	531	13.45	84	56.10
Violet	A	V500	475	38600	N/A	6.15	1008	10.29	125	38.09

Detector Settings (Continued)

Laser	Detector	Parameter	Linearity Min Channel	Linearity Max Channel	Slope	Intercept	Electronic Noise Robust SD	Qr	Br
Blue	FSC	FSC	N/A	N/A	0.0039	2.9	N/A	N/A	N/A
Blue	F	SSC	N/A	N/A	6.8382	-13.5	N/A	N/A	N/A
Blue	E	FITC	75	176953	7.3313	-15.5	24.0	0.0406	178
Blue	D	PE	132	228998	7.2329	-15.1	23.6	0.4072	359
Blue	B	PerCP-Cy5-5	172	225600	7.3058	-15.7	25.7	0.0188	108
Blue	A	PE-Cy7	120	221157	7.4197	-16.4	24.6	0.0199	3
Red	C	APC	134	227757	7.3743	-15.7	20.9	0.0257	108
Red	A	APC-Cy7	49	224524	7.4132	-15.9	19.9	0.0058	1042
Violet	B	V450	51	232394	7.3677	-15.6	18.6	0.0519	2691
Violet	A	V500	89	235878	7.5556	-15.6	19.5	0.0281	2467

(1) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.68	-31.37	1.15
Blue	20.35	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.45
Red	14.84	13.90 - 20.86	N/A	N/A	29.66	29.96	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9652

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments

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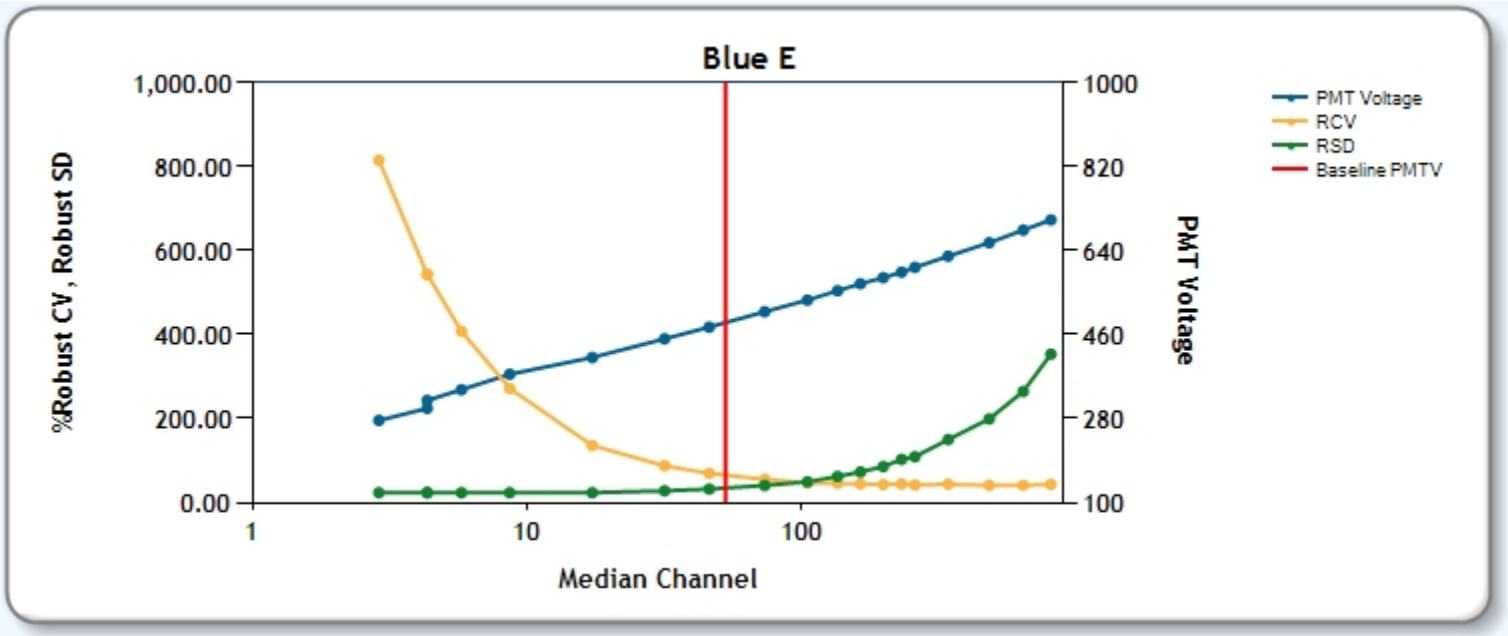
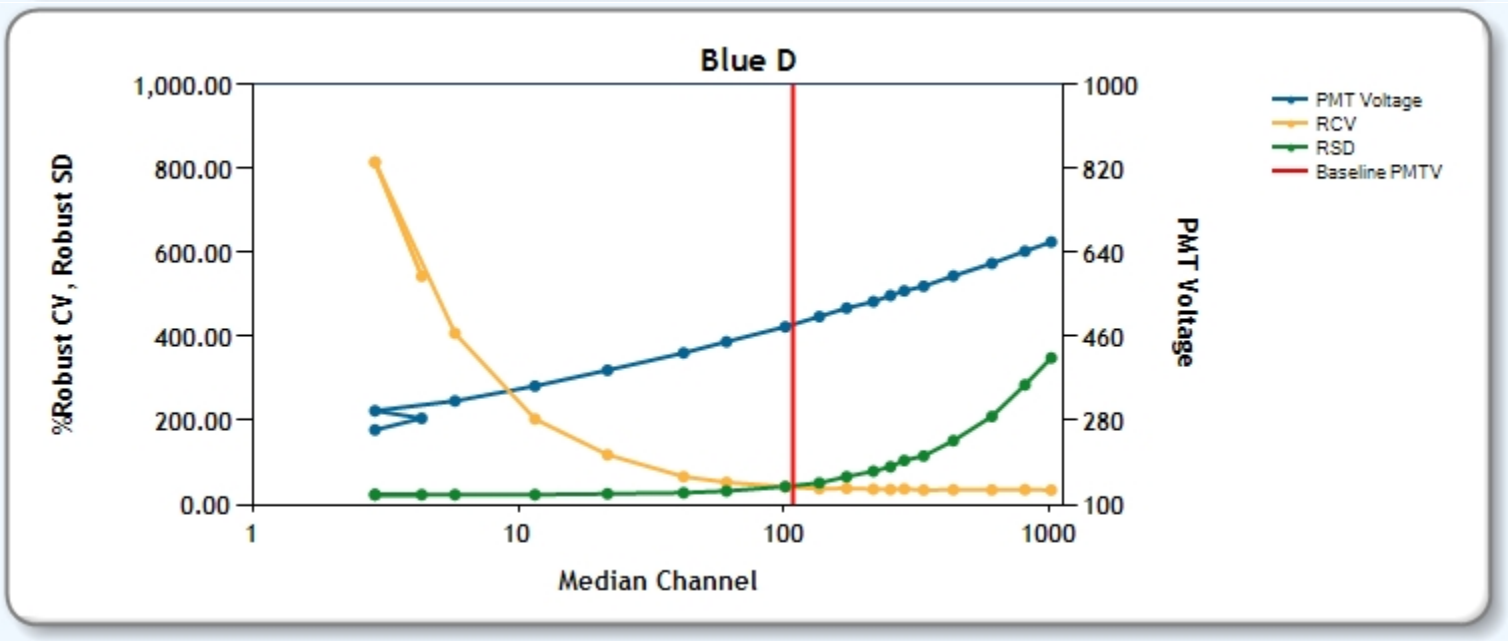
PMTV Optimization Results





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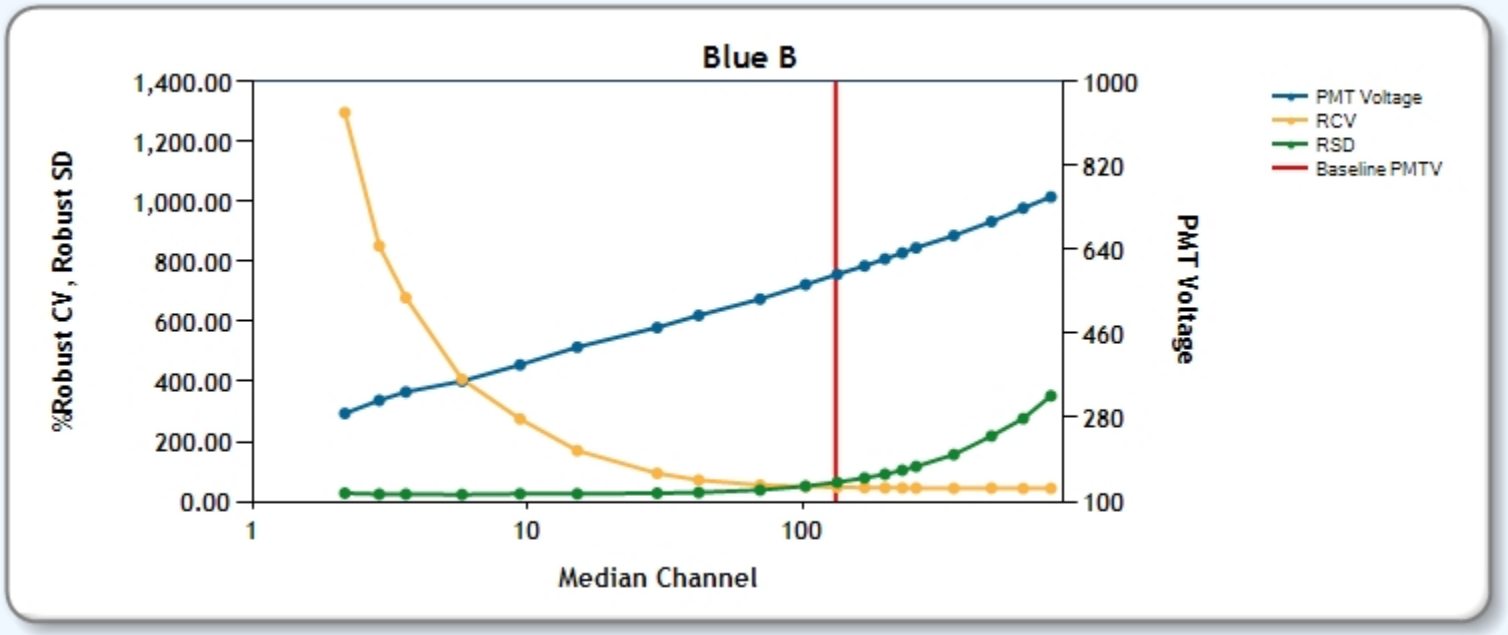

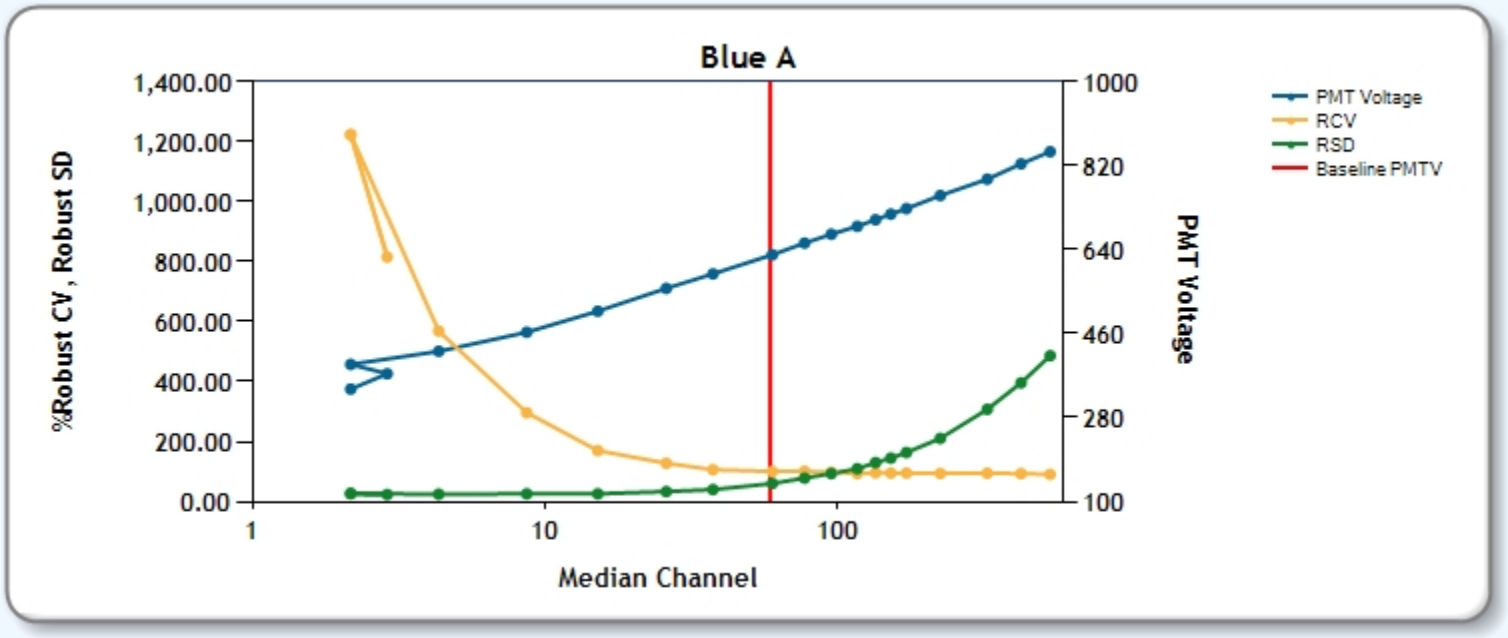

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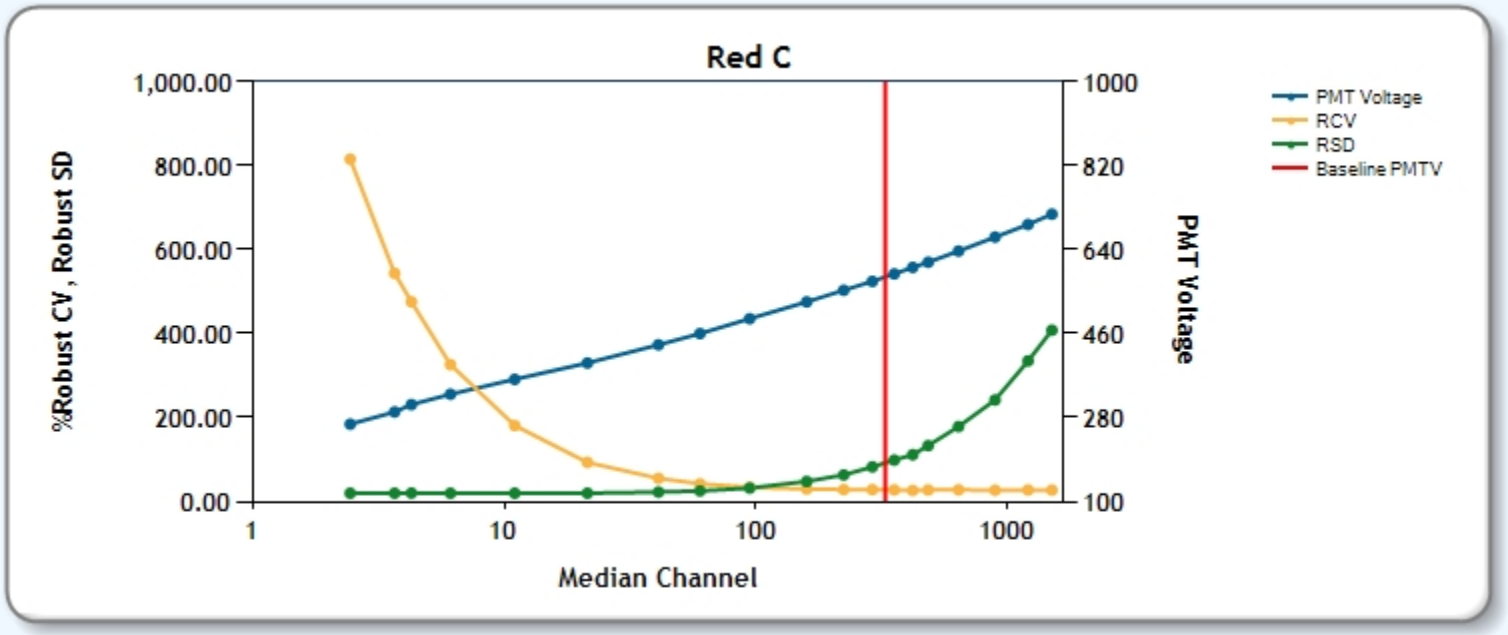

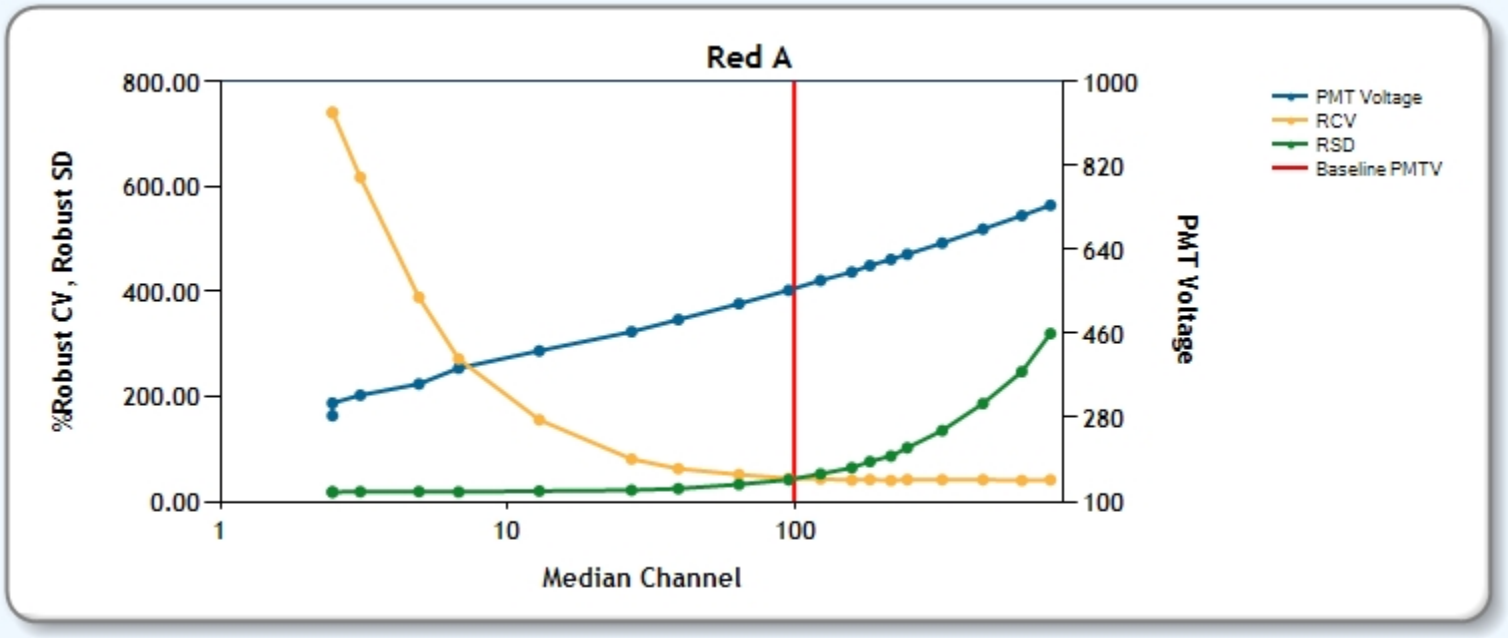

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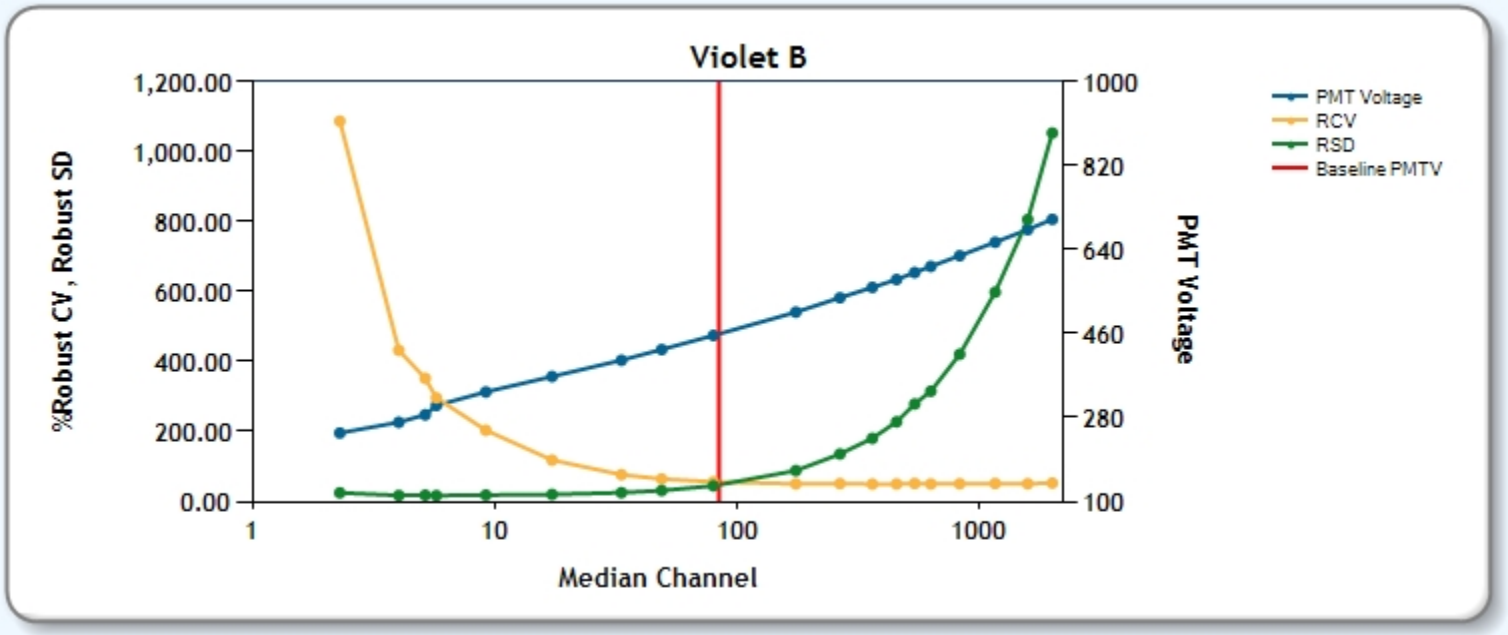

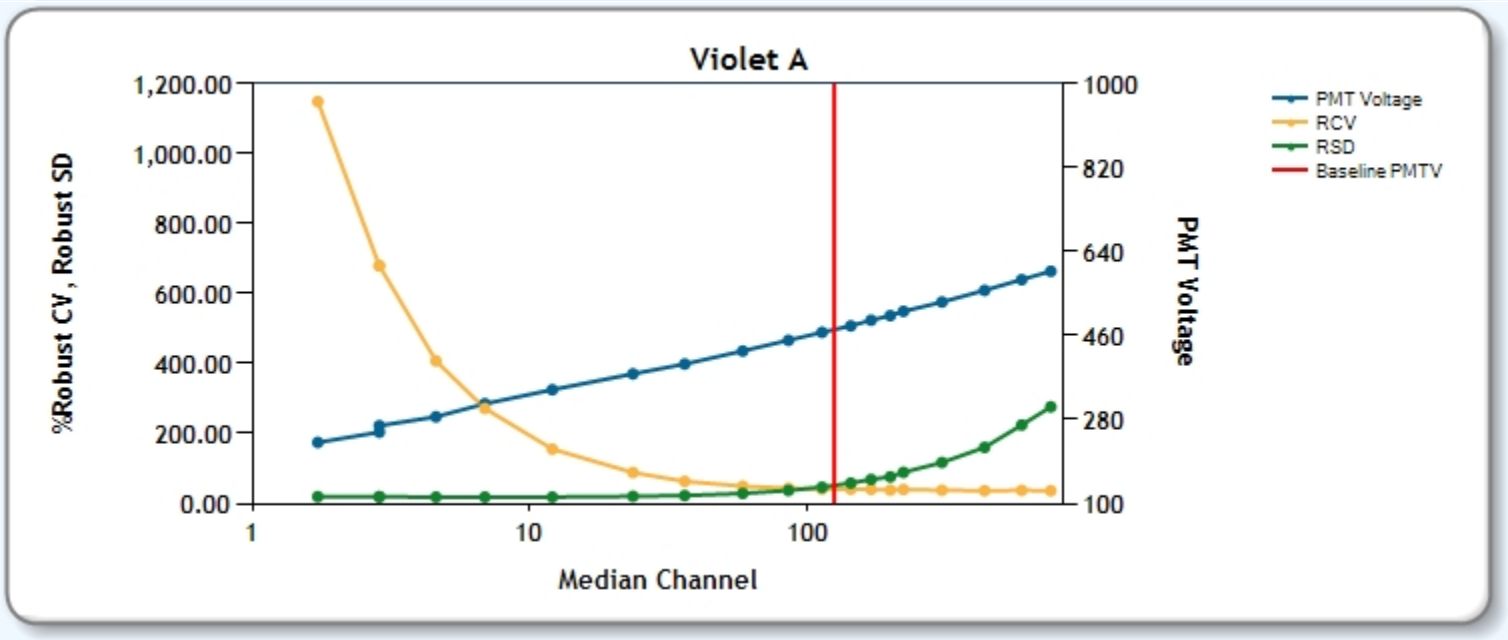

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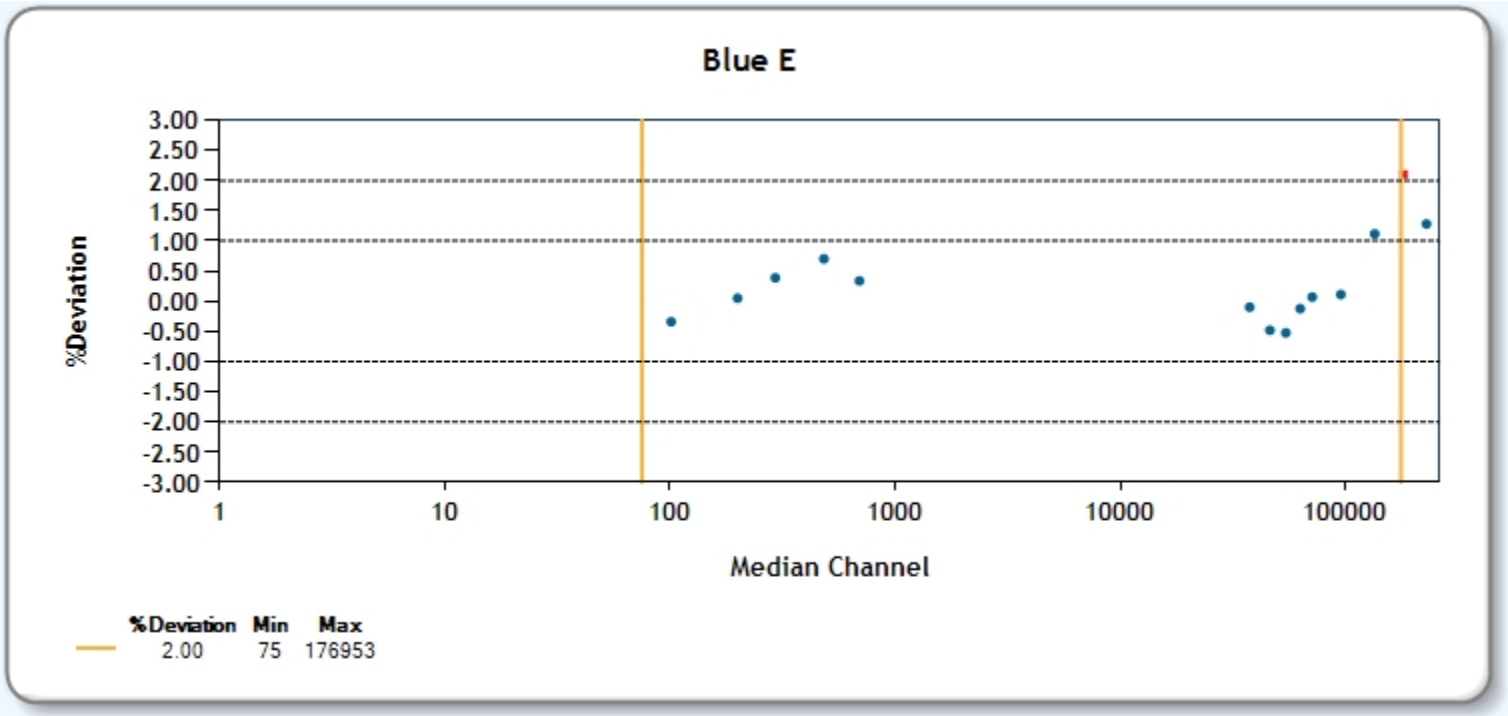
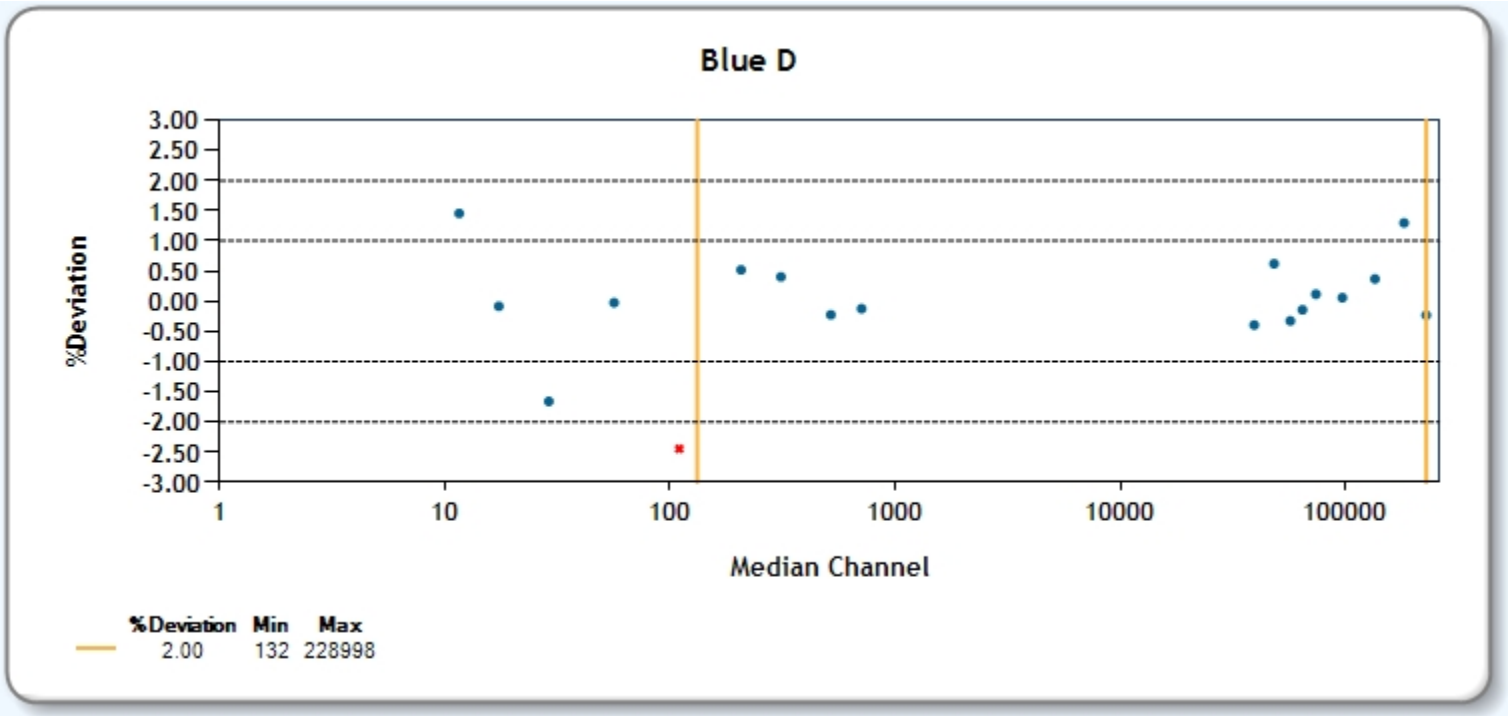
Linearity Results





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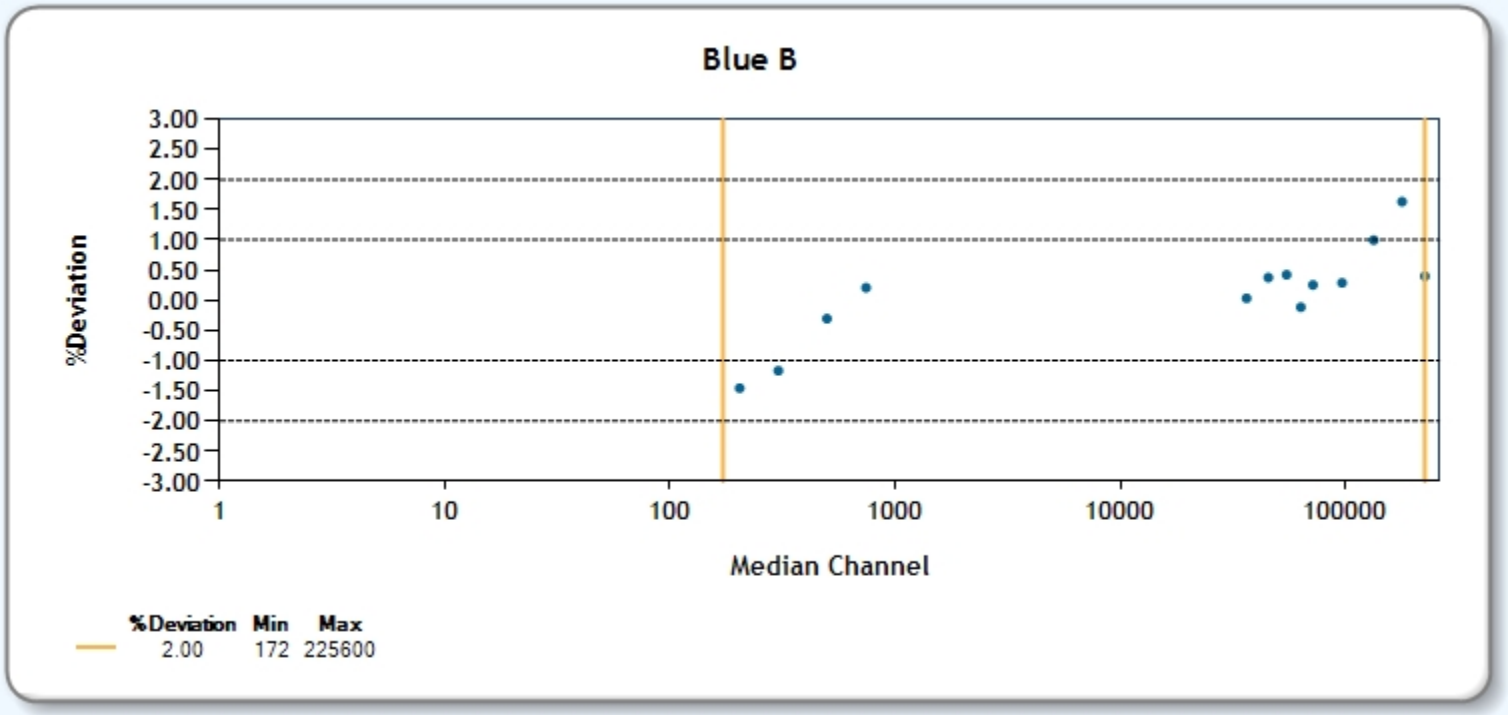

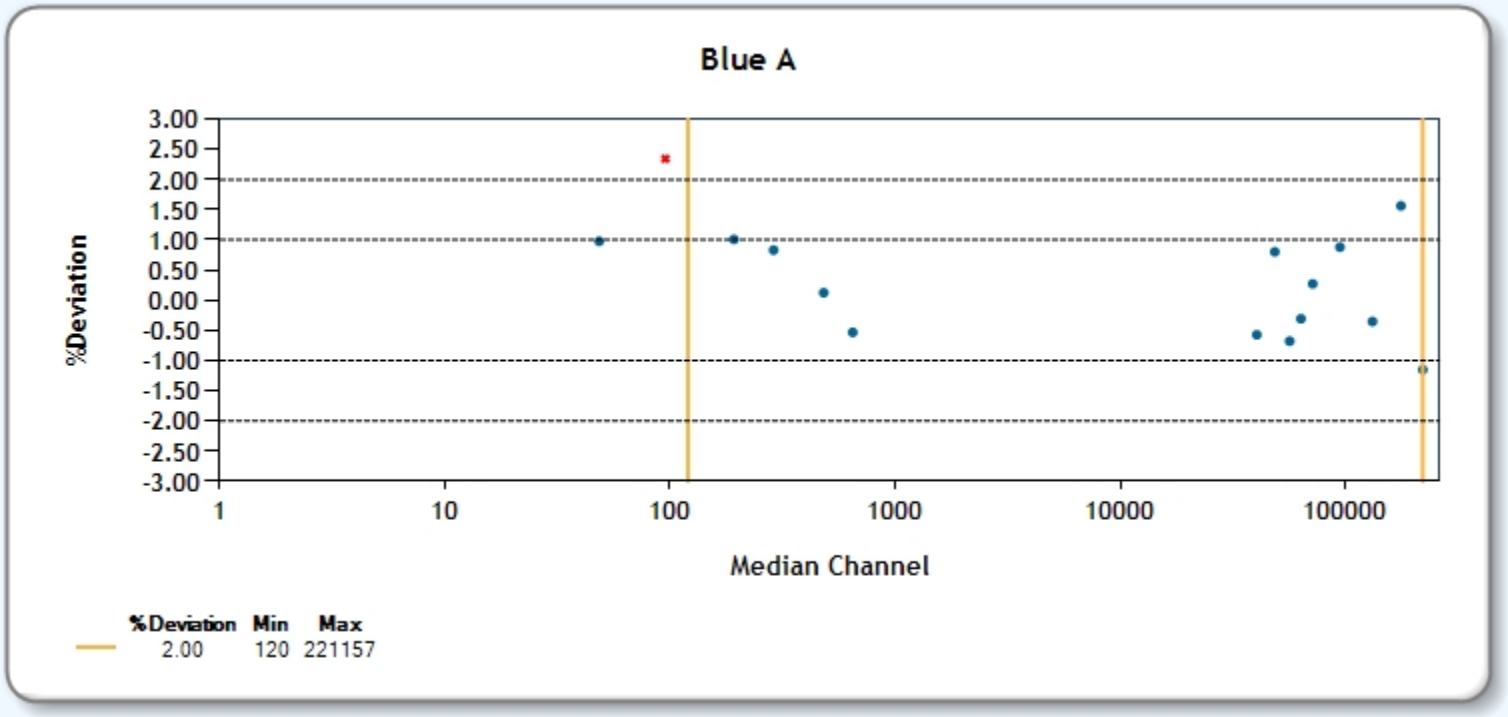

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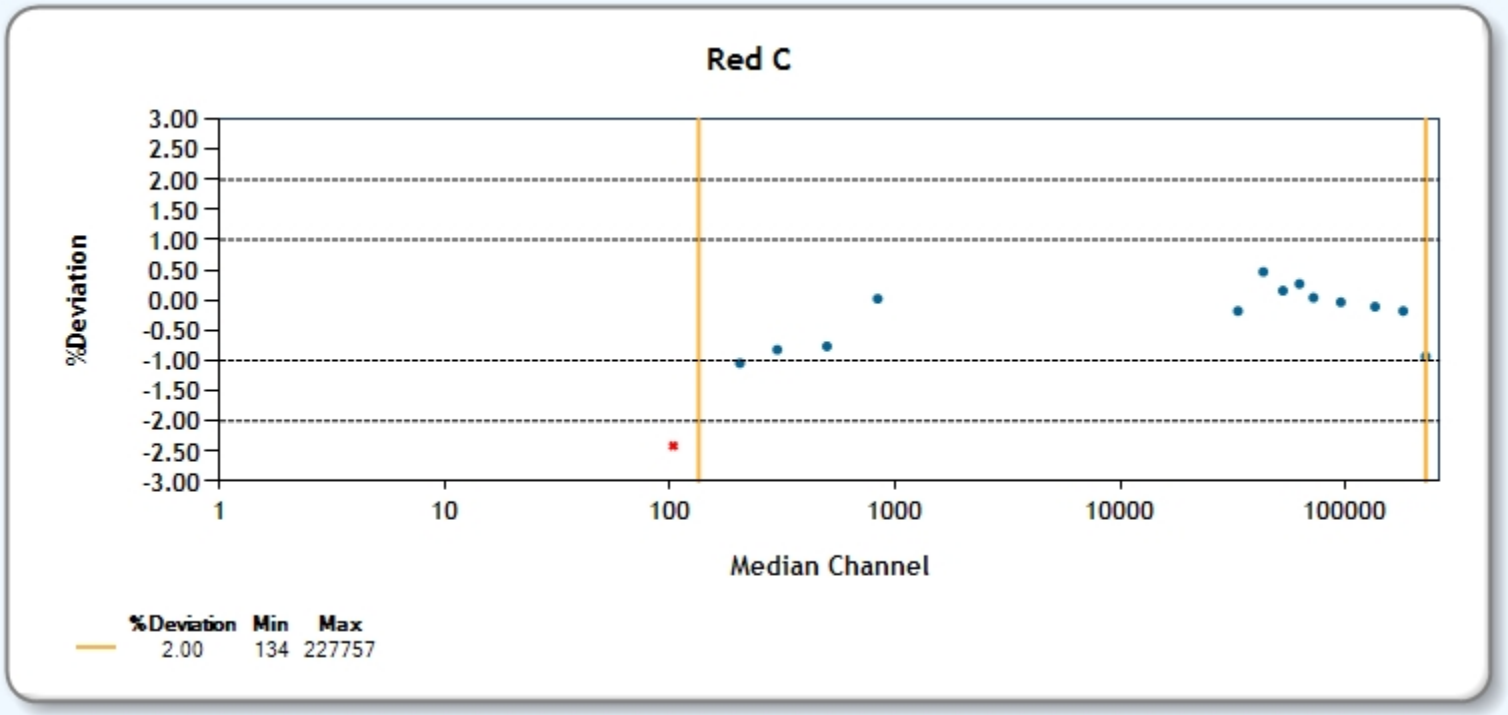

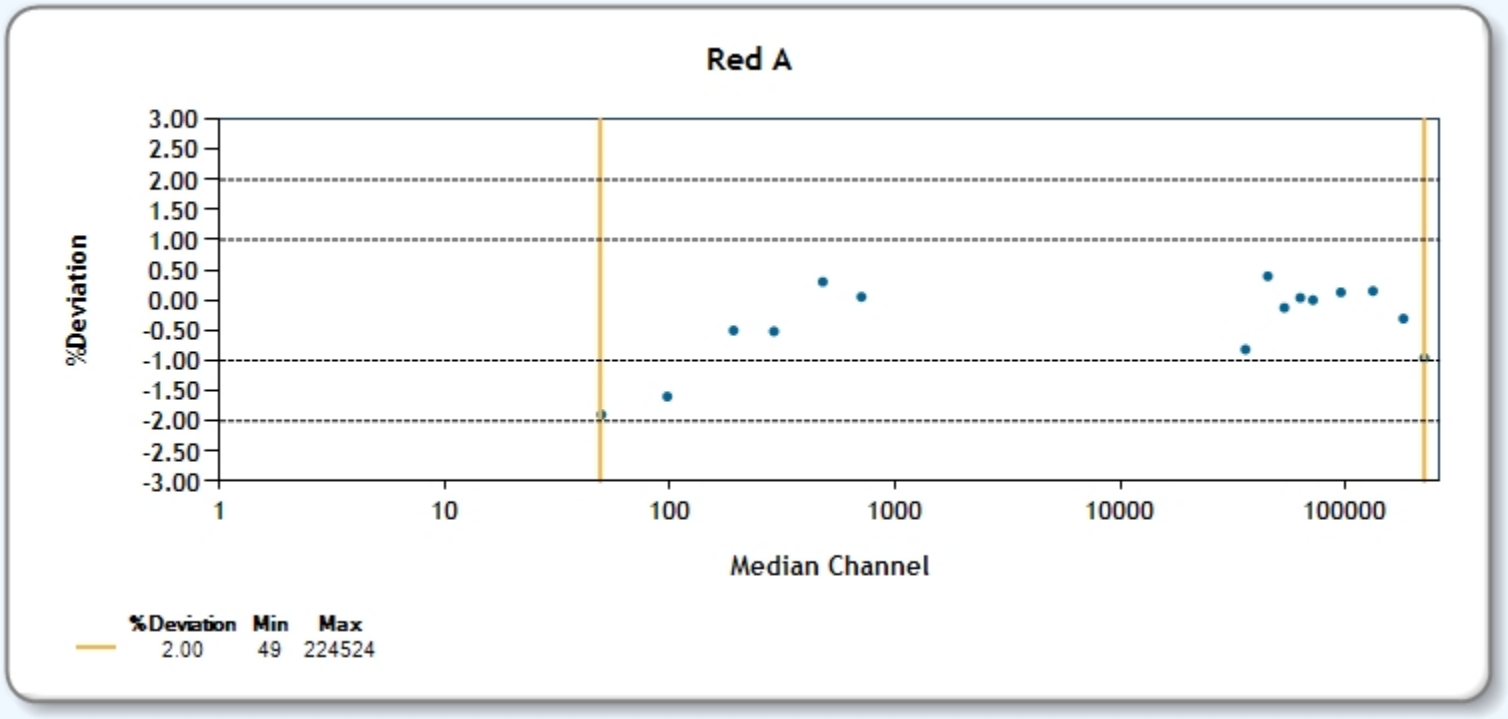

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